

UUU	UUU	EEEEEEEEEEEEEE	TTTTTTTTTTTTTT	PPPPPPPPPPPPPP
UUU	UUU	EEEEEEEEEEEEEE	TTTTTTTTTTTTTT	PPPPPPPPPPPPPP
UUU	UUU	EEEEEEEEEEEEEE	TTTTTTTTTTTTTT	PPPPPPPPPPPPPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEEEEEEEEE	TTT	PPPPPPPPPPPPPP
UUU	UUU	EEEEEEEEEE	TTT	PPPPPPPPPPPPPP
UUU	UUU	EEEEEEEEEE	TTT	PPPPPPPPPPPPPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEE	TTT	PPP
UUU	UUU	EEEEEEEEEE	TTT	PPP
UUU	UUU	EEEEEEEEEE	TTT	PPP
UUU	UUU	EEEEEEEEEE	TTT	PPP

FILEID**UETFORT02

K 8

UE 1
V04

0001
0002 C Version: 'V04-000'
0003 C
0004 C*****
0005 C*
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0023 C*
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0025 C*****
0026
0027 C***** P0890010
0028 C***** P0890020
0029 C***** DPSIN - 089 P0890030
0030 C***** P0890040
0031 C***** P0890050
0032 C***** GENERAL PURPOSE ASA REF P0890060
0033 C***** TO TEST BASIC EXTERNAL FUNCTION - DSIN - 8.3.3 P0890070
0034 C***** TRIGONOMETRIC SINE - TYPE DOUBLE PRECISION TABLE 4 P0890080
0035 C***** SAME AS SEGMENT 088 EXCEPT D.P. P0890090
0036 C***** INTRINSIC FUNCTION DSIGN ASSUMED WORKING P0890100
0037 C***** ARGUMENTS FROM 0 TO 2 PI P0890110
0038 C***** P0890120
0039 C***** SPECIFICATIONS SEGMENT 089 P0890130
0040 C***** P0012050
0041 C***** WHEN EXECUTING ONLY SEGMENT 089, THE SPECIFICATION STATEMENTS P0012055
0042 C***** WHICH APPEAR AS COMMENT CARDS MUST HAVE THE C= P0012060
0043 C***** IN COLUMNS 1 AND 2 REMOVED. P0012065
0044 C***** P0012070
0045 C= DOUBLE PRECISION AVD, BVD, CVD, DVD, EVD, PIVD, XVD, FVD, GVD P0012075
0046 C= PROGRAM UETFORT02
0047 C= DOUBLE PRECISION AVD, BVD, CVD, DVD, EVD, PIVD, XVD, FVD, GVD P089A1
0048 C***** P0012080
0049 C***** OUTPUT TAPE ASSIGNMENT STATEMENT. NO INPUT TAPE. P0890140
0050 C***** P0071780
0051 C***** WHEN EXECUTING ONLY SEGMENT 089, THE FOLLOWING STATEMENT P0071785
0052 C***** NUVI = 6 MUST HAVE THE C= IN COLUMNS 1 AND 2 REMOVED. P0071790
0053 C= NUVI = 6 P0071795
0054 C= NUVI = 6 P089B1
0055 C***** P0071800
0056 890 FORMAT(15H1 DPSIN - (089)//32H BASIC EXTERNAL FUNCTION -DSIN- P0890150
0057 1//33H (TRIGONOMETRIC SINE -TYPE D.P.) P0890160

0058 2//27H ASA REF.- 8.3.3 (TABLE 4)//24H LINE 1 OF EACH PAIR IS/23H P0890170
 0059 3 HOLLERITH INFORMATION//9H RESULTS P0890180
 0060 WRITE (NUVI, 890) P0890190
 0061 C***** HEADER FOR SEGMENT 089 WRITTEN P0890200
 0062 AVD = 3.140625D+0 P0890210
 0063 BVD = 0.9613037109375D-3 P0890220
 0064 CVD = 0.57220458984375D-5 P0890230
 0065 DVD = 0.596046447753906D-6 P0890240
 0066 EVD = 0.31786509547056D-7 P0890250
 0067 C*****PI IS SUM OF AVD TO EVD, PARTS ARE EXPRESSED IN SUMS OF POWERS OF P0890260
 0068 C*****2, TO PERMIT A POSSIBLE 20 DECIMAL DIGIT ARGUMENT TO BE CREATED P0890270
 0069 PIVD = EVD + DVD + CVD + BVD + AVD P0890280
 0070 FVD = 1.0D0 P0890290
 0071 GVD = 2.0D0 P0890300
 0072 XVD = DSIN(GVD - 2.0D0 * FVD) P0890310
 0073 WRITE (NUVI, 891) XVD P0890320
 0074 XVD = DSIN(FVD) P0890330
 0075 WRITE (NUVI, 892) XVD P0890340
 0076 XVD = DSIN(GVD) P0890350
 0077 WRITE (NUVI, 893) XVD P0890360
 0078 XVD = DSIN(GVD + FVD) P0890370
 0079 WRITE (NUVI, 894) XVD P0890380
 0080 XVD = DSIN(PIVD) P0890390
 0081 WRITE (NUVI, 895) XVD P0890400
 0082 XVD = DSIN(2. * GVD) P0890410
 0083 WRITE (NUVI, 896) XVD P0890420
 0084 XVD = DSIN(2.0 +FVD + GVD) P0890430
 0085 WRITE (NUVI, 897) XVD P0890440
 0086 XVD = DSIN(GVD * (FVD + GVD)) P0890450
 0087 WRITE (NUVI, 898) XVD P0890460
 0088 XVD = DSIN(DSIGN(2.0D0 * PIVD, GVD)) P0890470
 0089 WRITE (NUVI, 899) XVD P0890480
 0090 WRITE (NUVI, 7890) P0890490
 0091 891 FORMAT(9H0 X= 0.0 . 31H 0.0000000000000000000000000000000 / D31.14) P0890500
 0092 892 FORMAT(9H0 X= 1.0 . 31H +0.84147098480789650665250D+00 /D31.14) P0890510
 0093 893 FORMAT(9H0 X= 2.0 . 31H +0.90929742682568169539602D+00 /D31.14) P0890520
 0094 894 FORMAT(9H0 X= 3.0 . 31H +0.14112000805986722210074D+00 /D31.14) P0890530
 0095 895 FORMAT(9H0 X= (PI) . 31H 0.0000000000000000000000000000000 / D31.14) P0890540
 0096 896 FORMAT(9H0 X= 4.0 . 31H -0.75680249530792825137264D+00 /D31.14) P0890550
 0097 897 FORMAT(9H0 X= 5.0 . 31H -0.95892427466313846889315D+00 / D31.14) P0890560
 0098 898 FORMAT(9H0 X= 6.0 . 31H -0.27941549819892587281156D+00 / D31.14) P0890570
 0099 899 FORMAT(9H0 X=(2PI) . 31H 0.0000000000000000000000000000000 / D31.14) P0890580
 0100 7890 FORMAT(/37H LINE 2 OF EACH PAIR IS THE FUNCTION/25H CALCULATION P0890590
 0101 A PRINTED TO 9H14 DIGITS) P0890600
 0102 C***** END OF TEST SEGMENT 089 P0890610
 0103 C***** WHEN EXECUTING ONLY SEGMENT 089, THE STOP AND END CARDS P0890620
 0104 C***** WHICH APPEAR AS COMMENT CARDS MUST HAVE THE C= P0890630
 0105 C***** IN COLUMNS 1 AND 2 REMOVED. P0890640
 0106 C= STOP P0890650
 0107 C= END P0890660
 0108 STOP P089C1
 0109 END P089C2

UETFORT02

N 8
16-Sep-1984 01:53:53
5-Sep-1984 20:39:11VAX-11 FORTRAN V3.4-56
DISK\$VMSMASTER:[UETP.SRC]UETFORT02.FOR;1

Page 3

PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	601	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$PDATA	711	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	96	PIC CON REL LCL NOSHR NOEXE RD WRT QUAD
Total Space Allocated	1408	

ENTRY POINTS

Address	Type	Name
0-00000000		UETFORT02

VARIABLES

Address	Type	Name									
2-00000000	R*8	AVD	2-00000008	R*8	BVD	2-00000010	R*8	CVD	2-00000018	R*8	DVD
2-00000020	R*8	EVD	2-00000038	R*8	FVD	2-00000040	R*8	GVD	2-00000048	I*4	NUVI
2-00000028	R*8	PIVD	2-00000030	R*8	XVD						

LABELS

Address	Label	Address	Label	Address	Label	Address	Label	Address	Label	Address	Label
1-00000000	890'	1-000000BD	891'	1-000000EE	892'	1-00000011F	893'	1-00000150	894'	1-00000181	895'
1-000001B2	896'	1-000001E3	897'	1-00000214	898'	1-00000245	899'	1-00000276	7890'		

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name
R*8	MTH\$DSIGN	R*8	MTH\$DSIN

COMMAND QUALIFIERS

FORTRAN /LIS=LISS:UETFORT02/OBJ=OBJ\$:UETFORT02 MSRC\$:UETFORT02
 /CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
 /DEBUG=(NOSYMBOLS,TRACEBACK)
 /STANDARD=(NOSYNTAX,NOSOURCE FORM)
 /SHOW=(NOREPROCESSOR,NOINCLUDE,MAP)
 /F77 /NOG_FLOATING /I4 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19

UETFORT02

B 9
16-Sep-1984 01:53:53
5-Sep-1984 20:39:11

VAX-11 FORTRAN V3.4-56
DISK\$VMSMASTER:[UETP.SRC]UETFORT02.FOR;1

Page 4
UET
V04

COMPILE STATISTICS

Run Time: 1.93 seconds
Elapsed Time: 5.96 seconds
Page Faults: 109
Dynamic Memory: 168 pages

4B

6F

2D

72

20
20
2F
74
4F

74
5F
73
25

20
20

20
63
64
75

0411 AH-BT13A-SE
VAX/VMS V4.0

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